

実開平9-287

(43) 公開日 平成9年(1997)5月23日

(51) Int.Cl.⁶

識別記号

庁内整理番号

F I

技術表示箇所

A 4 1 B 13/04

A 4 1 B 13/04

A 6 1 F 13/56

13/02

H

translation attached

審査請求 有 請求項の数 1 O L (全 2 頁)

(21) 出願番号 実願平8-12082
 (62) 分割の表示 実願昭63-150040の分割
 (22) 出願日 昭和63年(1988)11月17日

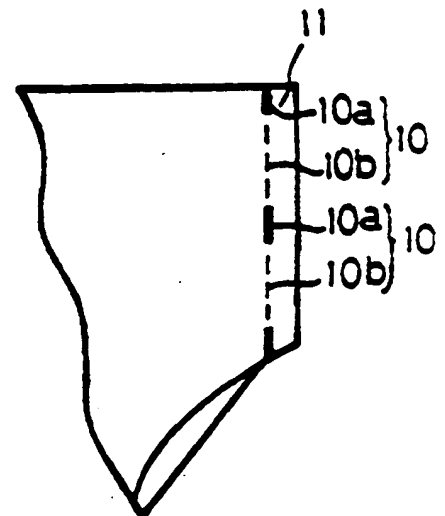
(71) 出願人 000115108
 ユニ・チャーム株式会社
 愛媛県川之江市金生町下分182番地
 (72) 考案者 伊賀上 隆光
 愛媛県川之江市金生町下分向山18-60
 (72) 考案者 佐々木 徹
 愛媛県川之江市金生町下分251-1
 (72) 考案者 真鍋 裕美
 愛媛県宇摩郡土居町入野966-2
 (72) 考案者 野村 裕範
 愛媛県伊予三島市下柏町230
 (72) 考案者 島川 泰治
 愛媛県川之江市川之江町字天生津3131-6
 (74) 代理人 弁理士 白坂 吉治

(54) 【考案の名称】 使い捨てパンツ

(57) 【要約】

【課題】 使い捨てパンツの両側着接合部が着用中に不用意に引き裂かれないようにするとともに、脱がせるときには該接合部を容易に引き裂き易いようにする。

【解決手段】 パンツの前後身頃の両側部をその縦方向に間欠的に着接合する。着接合部10は、前記両側部の縦方向両端部に接合強度の高い前記着接合部10aを配置するとともに、前記縦方向に接合強度の高い着接合部10aと接合強度の低い着接合部10bとを互いに隣接して配置してある。



【実用新案登録請求の範囲】

【請求項1】 内外面シート間に吸収コアを介在させ、前記両シートの中央両側縁に脚開口形成部と前記両シートの端方向両端に腰開口形成部とを形成し、かつ、これらの開口形成部に伸縮弾性部材を取り付けて横層体を構成し、前記横層体を前後身頃が重なり合うとともに前記内面シートが内側に位置するように折り重ねて前後身頃の前記コアの側縁から外側へ延出する各側部をこれらに沿って溶着接合することによって両脚開口部と腰開口部とを形成し、前記各側部の溶着接合部を前後身頃の側縁より

も内側に位置させ、前記両シートとして熱可塑性繊維を含む不織布を用い、前記溶着接合部を前記繊維同士の間隙によってなすとともに前記溶着接合部を端方向に間欠的に設けることで、前記溶着接合部の帯域に沿って前記各側部を互いに引き裂き分離可能になしてある使い捨てパンツにおいて、

前記各側部の端方向両端部に接合強度の高い前記溶着接合部を配置するとともに、前記各側部における前記溶着接合部の列中、接合強度の高い前記溶着接合部と接合強度の低い前記溶着接合部とを前記端方向に互いに隣接し

て配置してあることを特徴とする前記パンツ。

【正面の簡単な説明】

【図1】 この考案に係るパンツの一例としてのパンツをオシメの実施の形態を示す斜視図。

【図2】 前記オシメの展開平面図。

【図3】 前記オシメの上端面図。

【図4】 前記オシメの溶着接合部の正面図。

【符号の説明】

1 横層体

1a 前身頃

1b 後身頃

2 内面シート

3 外面シート

4 吸収コア

5 脚開口形成部

6 腰開口形成部

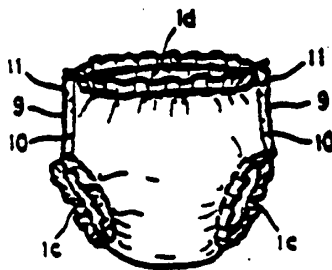
7, 8 伸縮弾性部材

10 溶着接合部

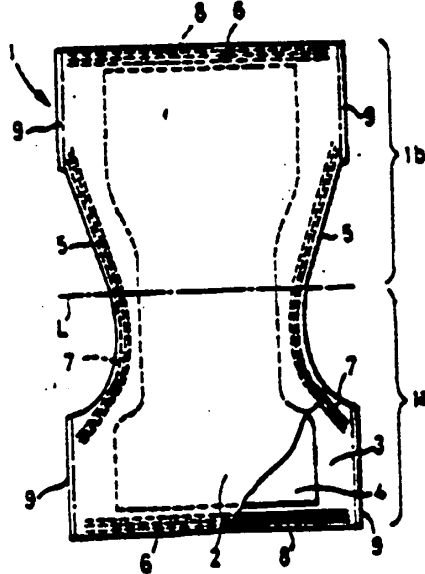
10a 接合強度の高い溶着接合部

10b 接合強度の低い溶着接合部

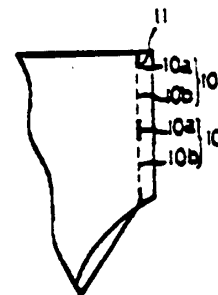
【図1】



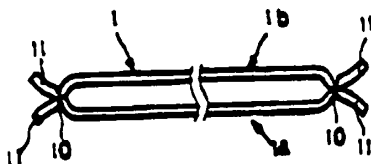
【図2】



【図4】



【図3】



TRANSLATION OF UTILITY MODEL APPLICATION NO. 9-287

(19) JAPANESE PATENT OFFICE (JP)

(12) Official Gazette for Utility Model Applications (U)

(11) Japanese Utility Model Application (Kokai)

Heisei No. 9-287

(43) Disclosure Date: May 20, 1997

Classification Internal Office

(51) Int. Cl.⁶: Symbols: Registration Nos.: F1

A 41 B 13/04

A 41 B 13/04

A 61 F 13/15

13/02

Request for Examination: submitted

Number of Claims: 1

(Total of 2 pages [in original])

(21) Utility Model Application No.: Heisei 8-12082

(62) Division indicated: Division of Utility Model
Application No. Showa 63-150040

(22) Date of Application: November 17, 1988

(71) Utility Model Applicant: 000115108

UNI TEAM Co., Ltd.

182-banchi, Shimowake, Kaneo-cho,

Kawanoe-shi, Aichi-ken

(72) Designer: Takamitsu Igakami

18-60, Mukoyama, Shimowake, Kaneo-cho,

Kawanoe-shi, Aichi-ken

(72) Designer: Tetsu Sasaki

252-1, Shimowake, Kaneo-cho,

Kawanoe-shi, Aichi-ken

(72) Designer: Hiromi Manabe

966-2, Irino, Doi-cho,

Uma-gun, Aichi-ken

(72) Designer: Hironori Nomura

230, Shimokashi-cho,

I. Mishima-shi, Aichi-ken

(72) Designer: Taiji Shimagawa

3131-6, Aza Amanotsu, Kawanoe-cho,

Kawanoe-shi, Aichi-ken

(74) Agent : Patent Attorney, Kichiji Shirahama

(54) [Title of the Design]

Disposable nappy

(57) [Abstract]

[Problem] To create a two-side weld-bonded part for a disposable nappy which does not separate carelessly when the nappy is being worn and which is easy to separate when the nappy is to be taken off.

[Solution] Two side parts of the front and back body region of the nappy are weld-bonded intermittently in the length-wise direction thereof. A weld-bonded part 10 comprises an arrangement of, in the two end parts in the length-wise direction of the abovementioned two

side parts, the abovementioned weld-bonded parts 10a of high bonding strength, and an alternate and intermittent arrangement, in the abovementioned length-wise direction, of the abovementioned weld-bonded parts of high bonding strength 10a and weld-bonded parts of low bonding strength 10b.

Claims

[Claim 1] Disposable nappy in which by the interposing of an absorbent core between an inner and outer surface sheet; the formation of leg opening-forming parts in the two side edges in the middle of the abovementioned sheets and a trunk opening-forming part in both ends of the abovementioned two sheets in the length-wise direction; the configuring of a laminated body by the affixing of an expanding elastic material in these opening-forming parts; the formation of the two leg-opening parts and trunk-opening part by the folding of the abovementioned laminated body such that the front and back body region overlap and the abovementioned inner surface sheet is positioned on the inner-side, and the weld-bonding along the side parts extending from the side edge of the abovementioned core of the front and back region to the outer-side; the positioning of the weld-bonded parts of the abovementioned side parts more on the inner-side than the side edge of the front back regions; the employment of a non-woven cotton comprising thermoplastic fibers as the abovementioned two sheets; and the formation of the abovementioned weld-bonded parts by the welding of the abovementioned fibers and the intermittent provision of the abovementioned weld-bonded parts in the length-wise direction,

the abovementioned side parts are able to be pulled apart and separated from each other along a band of the abovementioned weld-bonded parts,

which nappy is characterized in that the abovementioned weld-bonded parts of high bonding strength are arranged in the two end parts of the abovementioned side parts in the length-wise direction, and, the abovementioned weld-bonded parts of high bonding strength and the abovementioned weld-bonded parts of low bonding strength are, in a row of the abovementioned weld-bonded parts in the abovementioned side parts, alternately and intermittently arranged in the length-wise direction.

[Brief Description of the Figures]

[Figure 1] A perspective view, as an example of the nappy pertaining to the present design, which shows a mode of embodiment of a model of the nappy.

[Figure 2].A plane surface view of the abovementioned nappy in its unfolded state.

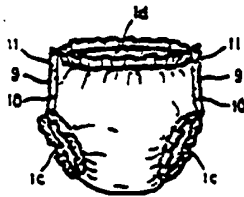
[Figure 3] A view of the upper edge of the abovementioned nappy.

[Figure 4] A front view of the weld-bonded part of the abovementioned nappy.

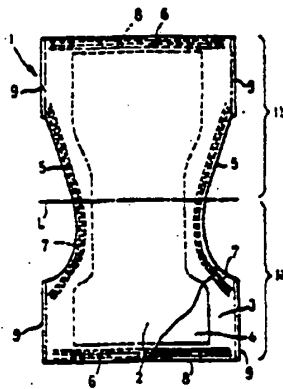
[Explanation of Symbols]

- 1 Laminated body
- 1a Front body region
- 1b Rear body region
- 2 Inner surface sheet
- 3 Outer surface sheet
- 4 Absorbent core
- 5 Leg opening-forming part
- 6 Trunk opening-forming part
- 7, 8 Expanding elastic member
- 10 Weld-bonded part
- 10a Weld-bonded part of high bonding strength
- 10b Weld-bonded part of low bonding strength

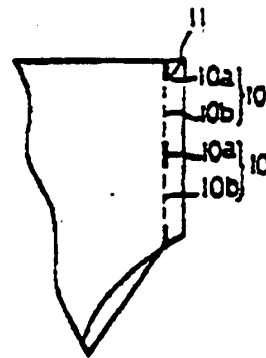
[Fig. 1]



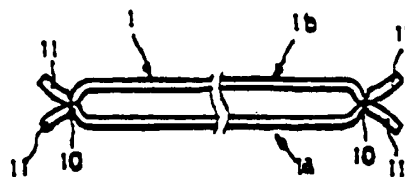
[Fig. 2]

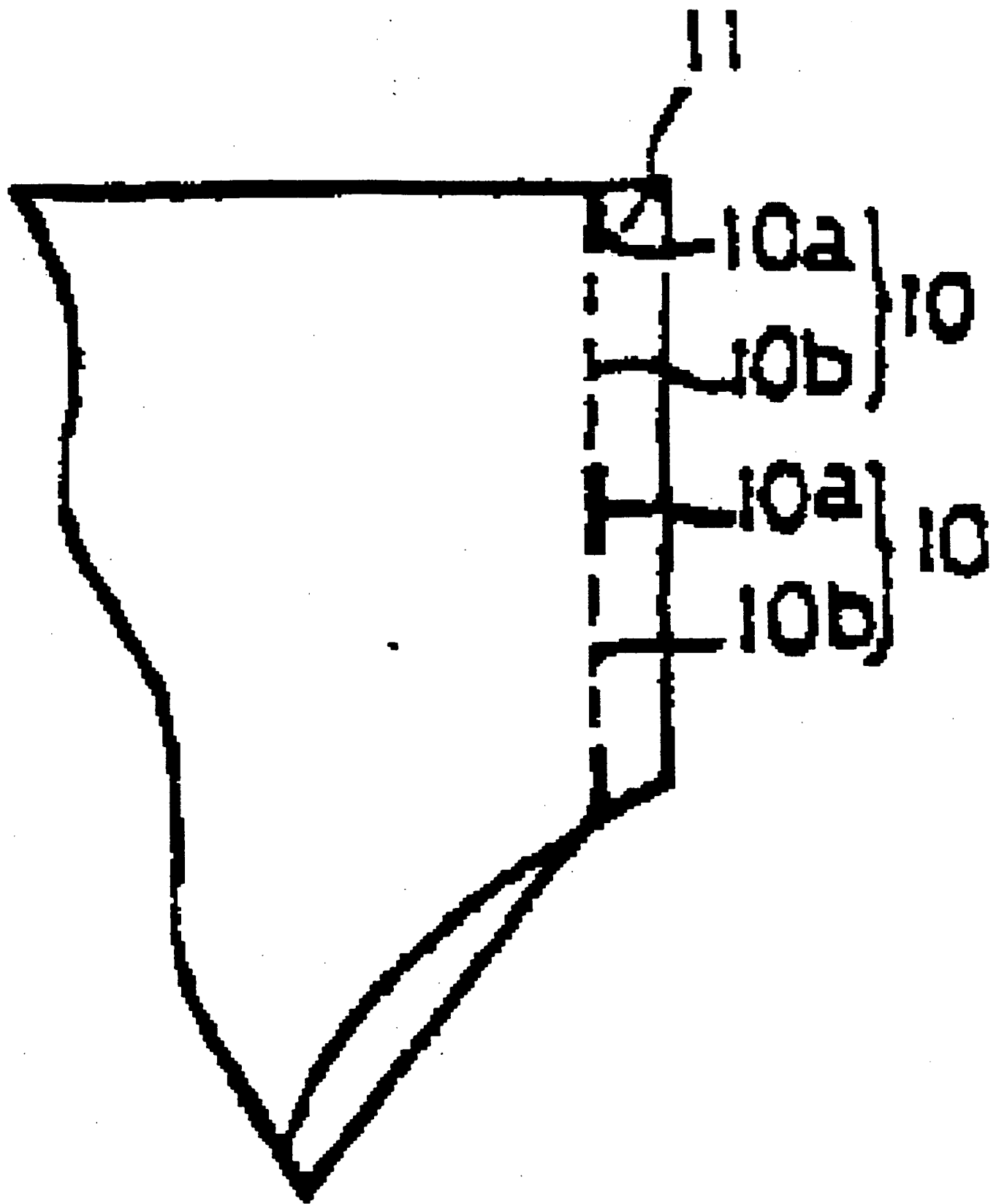


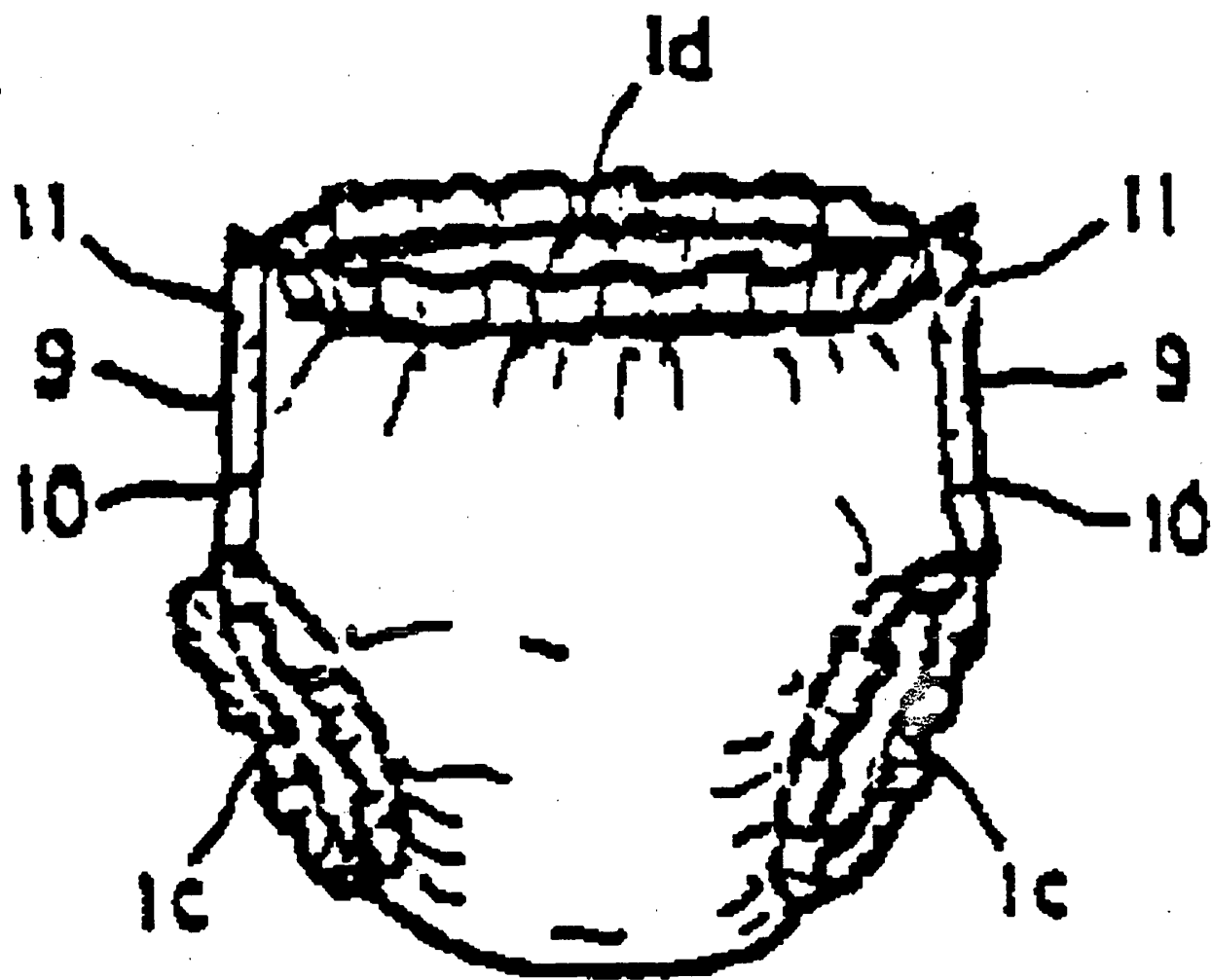
[Fig. 4]

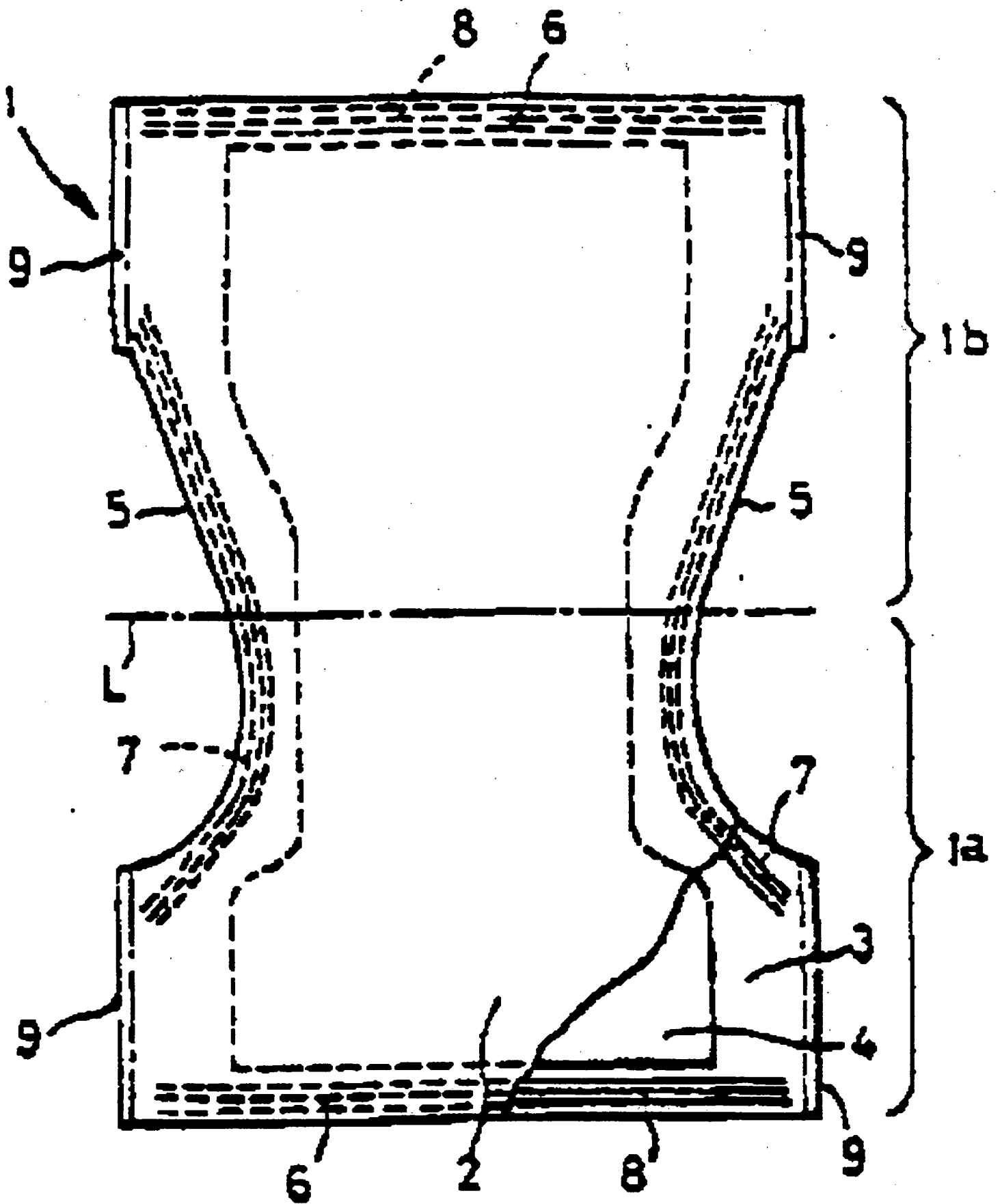


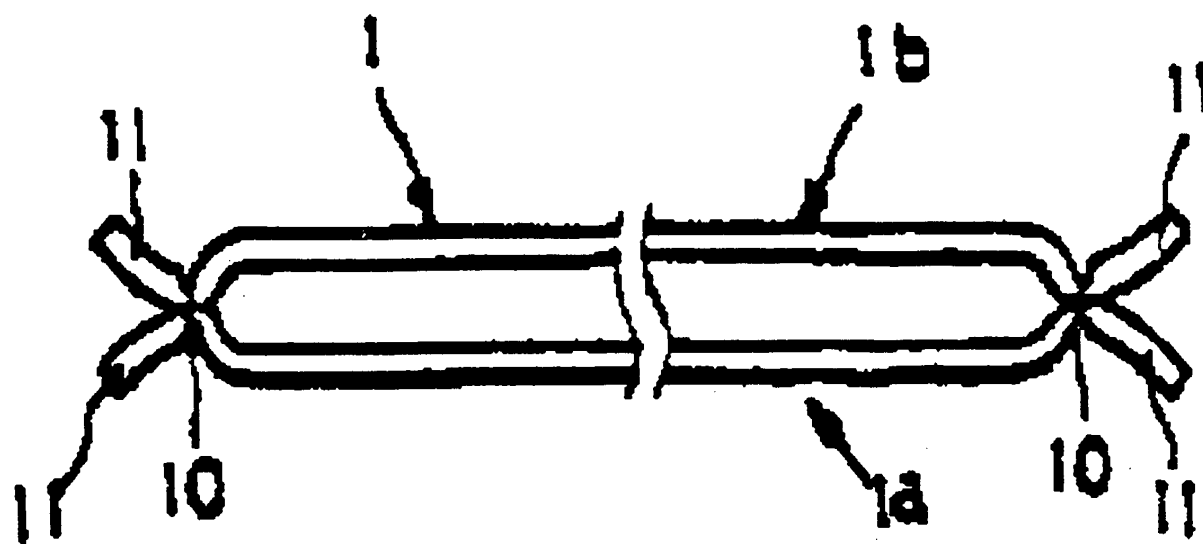
[Fig. 3]

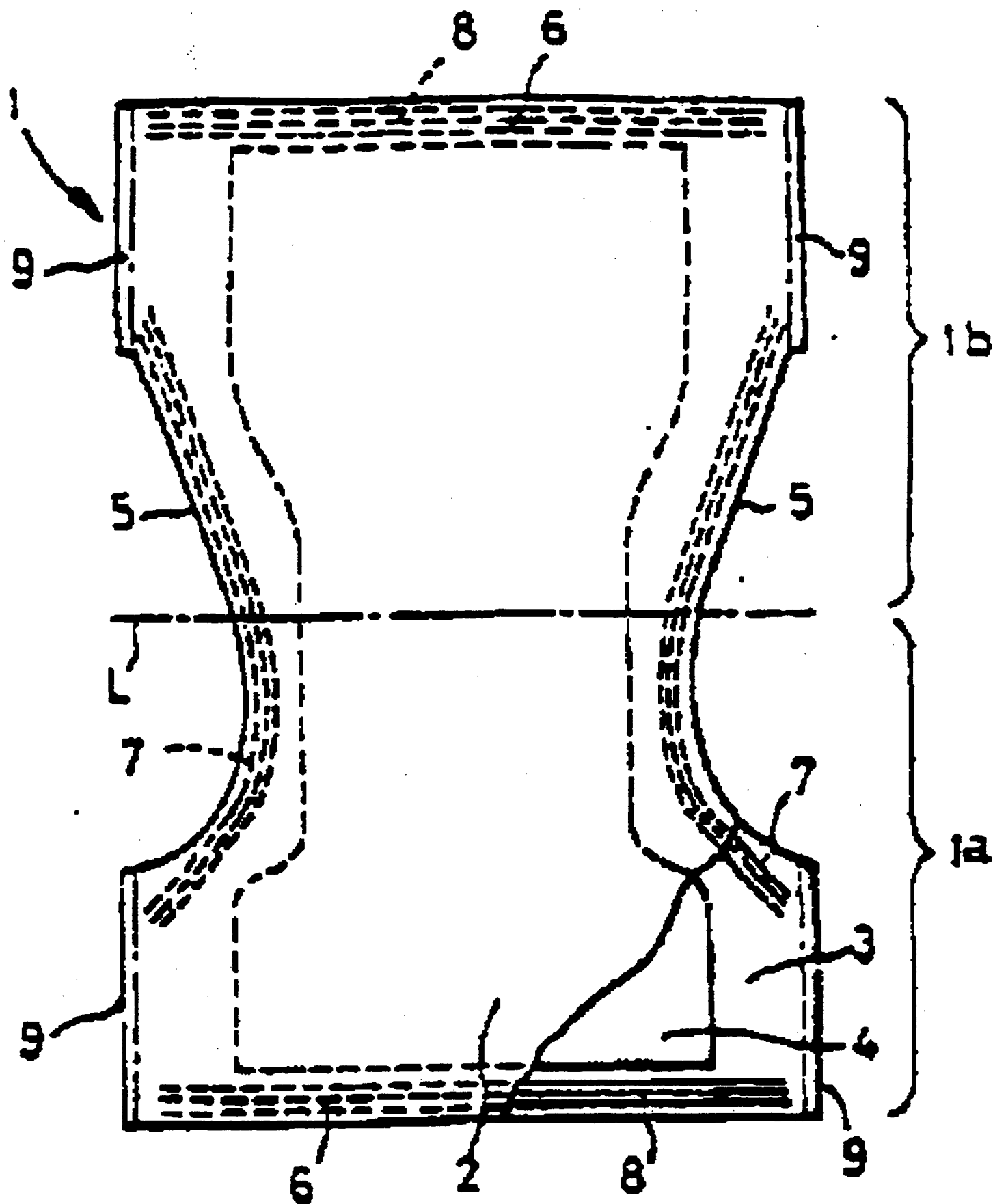












Translator's Report/Comments

Your ref:

Your order of (date):

In translating the above text we have noted the following apparent errors/unclear passages which we have corrected or amended:

Page/para/line*	Comment
	Japanese proper nouns have many possible readings. Likely readings have been chosen throughout but we have been unable to confirm some of the English spellings of the Japanese proper nouns.

* This identification refers to the source text. Please note that the first paragraph is taken to be, where relevant, the end portion of a paragraph starting on the preceding page. Where the paragraph is stated, the line number relates to the particular paragraph. Where no paragraph is stated, the line number refers to the page margin line number.